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(21) International Application Number: PCT/US96/20050 (22) International Filing Date: 16 December 1996 (16.12.96) (30) Priority Data: 08/574,452 15 December 1995 (15.12.95) US (71) Applicant: AVECOR CARDIOVASCULAR, INC. [US/US]; 13010 County Road 6, Plymouth, MN 55441 (US). (72) Inventor: CODNER, Meryl; 1441 Albany Avenue, St. Paul, MN 55108 (US). (74) Agents: GOLDMAN, Philip, M. et al.; Fredrikson & Byron, P.A., 1100 International Centre, 900 Second Avenue South, Minneapolis, MN 55402 (US).		(81) Designated States: AU, CA, JP, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: CELL CULTURE APPARATUS AND METHOD (57) Abstract A cell culture apparatus formed of a plurality of thin (e.g., 0.005" or less), spaced, gas-permeable, silicone membranes sealed at their edges to form a bag-like vessel comprising one or more interior chambers suitable for containing cell culture media. A suitable portion of the membrane surfaces are of suitable thickness and surface area to provide structural integrity to the apparatus and sufficient gas permeability for cell growth within the chamber.		